ISSN (print) 0093-4666 © 2012. Mycotaxon, Ltd. ISSN (online) 2154-8889

MYCOTAXON

http://dx.doi.org/10.5248/120.353

Volume 120, pp. 353–355 *April–June 2012*

Clavulicium hallenbergii, a new corticioid species from India

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Abstract – A new corticioid species, *Clavulicium hallenbergii*, is described from Chamba, in Himachal Pradesh.

Key words – Manimahesh, *Pinus wallichiana*

During the fungal forays conducted in Dibri–Dhansho area in district Chamba of Himachal Pradesh, India, Avneet P. Singh collected a corticioid fungus on a trunk of *Pinus wallichiana*. Oil-rich clavate basidia and oil-rich basidiospores pointed in the direction of the genus *Clavulicium* (*Agaricomycetes*). After detailed comparison of macroscopic and microscopic characters with the relevant literature (Burt 1926, Parmasto 1968, Eriksson & Ryvarden 1973) we concluded that the fungus represents a new species in the genus *Clavulicium,* which herewith is described.

Clavulicium hallenbergii Avneet P. Singh, J. Kaur & Dhingra **sp. nov.**

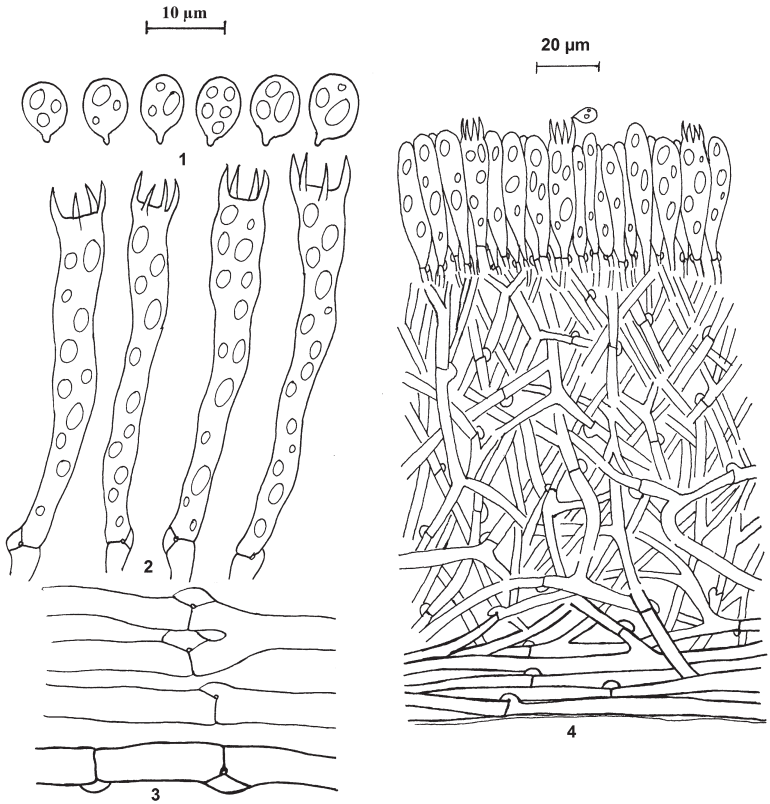
MycoBank MB 560931 Figs 1 – 5

Differs from *Clavulicium macounii* by its narrower basidia, smaller basidiospores, and lack of gloeocystidia.

Type: India, Himachal Pradesh: Chamba, Manimahesh, on way from Dibri towards Dhansho, on the trunk of *Pinus wallichiana* A.B. Jacks., 20 September 2005, Avneet 3683 (PUN, **holotype**)

Etymology: In honour of the mycologist Prof. Nils Hallenberg, University of Gothenburg, Gothenburg, Sweden.

Basidiocarp resupinate, adnate, effused, up to 175 µm thick in section; hymenial surface smooth, brownish red to light brown; margins whitish, thinning, fibrillose, to indeterminate, loosening upon drying in mature



Figs 1–4. *Clavulicium hallenbergii*, microscopic structures.
1. basidiospores; 2. basidia; 3. generative hyphae; 4. section through basidiocarp.

basidiocarp. Hyphal system monomitic; generative hyphae up to 3.0 µm wide, branched, septate, clamped; basal hyphae somewhat thick-walled, parallel to the substrate; subhymenial hyphae thin-walled, vertically directed. Basidia 39.0–47.0 × 3.0–5.0 µm, clavate, sinuous, 4-sterigmate, with oily contents and basal clamp; sterigmata up to 3.0 µm long. Basidiospores 6.2–7.8 × 4.5–5.5 µm, broadly ellipsoid to obovate, smooth, thin-walled, inamyloid, acyanophilous, with oil droplets.

Remarks—*C. hallenbergii* resembles *C. macounii* (Burt) J. Erikss. & Boidin ex Parmasto in terms of morphology of the basidiocarp, clamped generative

Fig. 5. *Clavulicium hallenbergii*, basidiocarp (holotype).

hyphae and abundant oily contents in basidia and basidiospores. However, *C. macounii* differs in having gloeocystidia, wider basidia, and larger basidiospores (9–12 (–13) × 6.5–8 µm; Eriksson and Ryvarden, 1973).

Acknowledgements

Authors thank Prof. Nils Hallenberg (Evolutionary Botany, Botanical Institute, Gothenburg, Sweden) and Prof. B.M. Sharma (Department of Plant Pathology, COA, CSKHPAU, Palampur, H.P., India) for peer review and Prof. Joost Stalpers (CBS Fungal Biodiversity Centre, Netherlands) for providing the Mycobank number. Head, Department of Botany, Punjabi University, Patiala, is thanked for providing research facilities.

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